



PCT09

RAW SEQUENCE LISTING

DATE: 06/12/2002

PATENT APPLICATION: US/09/913,064A

TIME: 14:49:28

Input Set : A:\BB1321-1 US PCT SEQ LIST.txt

Output Set: N:\CRF3\06122002\I913064A.raw

3 <110> APPLICANT: Carlson, Thomas J.
 4 Fader, Gary M.
 5 Famodu, Omolayo O.
 6 Kinney, Anthony J.
 7 Pearlstein, Richard W.
 8 Rafalski, J. Antoni
 9 Thorpe, Catherine J.
 11 <120> TITLE OF INVENTION: UDP-Glucose Modifiers
 13 <130> FILE REFERENCE: BB-1321-1
 15 <140> CURRENT APPLICATION NUMBER: 09/913,064A
 16 <141> CURRENT FILING DATE: 2002-04-15
 18 <150> PRIOR APPLICATION NUMBER: PCT/US00/03453
 19 <151> PRIOR FILING DATE: 2000-02-09
 21 <150> PRIOR APPLICATION NUMBER: 60/119,588
 22 <151> PRIOR FILING DATE: 1999-02-10
 24 <160> NUMBER OF SEQ ID NOS: 28
 26 <170> SOFTWARE: Microsoft Office 97
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 509
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Zea mays
 33 <220> FEATURE:
 34 <221> NAME/KEY: unsure
 35 <222> LOCATION: (413)
 36 <223> OTHER INFORMATION: n = A, C, G, or T
 38 <220> FEATURE:
 39 <221> NAME/KEY: unsure
 40 <222> LOCATION: (465)
 41 <223> OTHER INFORMATION: n = A, C, G, or T
 43 <220> FEATURE:
 44 <221> NAME/KEY: unsure
 45 <222> LOCATION: (485)
 46 <223> OTHER INFORMATION: n = A, C, G, or T
 48 <400> SEQUENCE: 1
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 50 tgcattcac ttgcgtggat tggaaagctgt gggtgaaaagc gtacagaagc cattacttta 120
 51 ttatgacaac aacgtcattt gcacgataaa tcttcttagaa gtatgtctg ttcacggttg 180
 52 caagaagttt gtgttctcat catcagctgc agtttatggc tcacccaaaa actcaccctg 240
 53 cacagaaaaat ttcccttta ctccaaacaa tccatatggc aaaacaaagc tcgttgtga 300
 54 agatatttgc cgggatatct accgttcaga tcctgaatgg aagatcatt tacttaggtt 360
 55 cttcaatcca gttggtgctc atccttagtgg atatcttggc gaggacccac gangaattcc 420
 56 caacaatctt atgcctatgtt tcagcaagt tgccgttgg aagangccag ctctaacagt 480
 57 ttangaaaat gactatgcaa caagagatg 509

ENTERED

P.6

W-1
W-2
W-3

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Input Set : A:\BB1321-1 US PCT SEQ LIST.txt
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59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 169
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Zea mays
 64 <220> FEATURE:
 65 <221> NAME/KEY: UNSURE
 66 <222> LOCATION: (138)
 67 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 69 <220> FEATURE:
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 71 <222> LOCATION: (155)
 72 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 74 <220> FEATURE:
 75 <221> NAME/KEY: UNSURE
 76 <222> LOCATION: (162)
 77 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 79 <400> SEQUENCE: 2
 80 Ile Asp Leu Arg Asp Lys Gly Ala Leu Glu Met Val Phe Ala Ser Thr
 1 5 10 15
 83 Arg Phe Glu Ala Val Ile His Phe Ala Gly Leu Lys Ala Val Gly Glu
 20 25 30
 86 Ser Val Gln Lys Pro Leu Leu Tyr Tyr Asp Asn Asn Val Ile Gly Thr
 35 40 45
 89 Ile Asn Leu Leu Glu Val Met Ser Val His Gly Cys Lys Lys Leu Val
 50 55 60
 92 Phe Ser Ser Ser Ala Ala Val Tyr Gly Ser Pro Lys Asn Ser Pro Cys
 65 70 75 80
 95 Thr Glu Asn Phe Pro Leu Thr Pro Asn Asn Pro Tyr Gly Lys Thr Lys
 85 90 95
 98 Leu Val Val Glu Asp Ile Cys Arg Asp Ile Tyr Arg Ser Asp Pro Glu
 100 105 110
 101 Trp Lys Ile Ile Leu Leu Arg Tyr Phe Asn Pro Val Gly Ala His Pro
 115 120 125
 W--> 104 Ser Gly Tyr Leu Gly Glu Asp Pro Arg Xaa Ile Pro Asn Asn Leu Met
 105 130 135 140
 W--> 107 Pro Tyr Val Gln Gln Val Ala Val Gly Lys Xaa Pro Ala Leu Thr Val
 108 145 150 160
 W--> 110 Leu Xaa Asn Asp Tyr Ala Thr Arg Asp
 111 165
 113 <210> SEQ ID NO: 3
 114 <211> LENGTH: 456
 115 <212> TYPE: DNA
 116 <213> ORGANISM: Oryza sativa
 118 <220> FEATURE:
 119 <221> NAME/KEY: unsure
 120 <222> LOCATION: (322)
 121 <223> OTHER INFORMATION: n = A, C, G, OR T
 123 <220> FEATURE:
 124 <221> NAME/KEY: unsure

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Input Set : A:\BB1321-1 US PCT SEQ LIST.txt
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125 <222> LOCATION: (352)
 126 <223> OTHER INFORMATION: n = A, C, G, OR T
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 130 <222> LOCATION: (391)
 131 <223> OTHER INFORMATION: n = A, C, G, OR T
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 135 <222> LOCATION: (406)
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 145 <222> LOCATION: (452)
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 150 gcacacaaca acaacaagag taatcaaagt agaagaagat gttttcgccc ttgttgcgg 120
 151 cgatccttgt gacggccggc gccggctaca tcggcagcca caccgtcctc cagttctcc 180
 152 aactcggctt ccgcgttgcgtc gtccctcgaca acctcgacaa cgcctccgag ctcggccatcc 240
 153 tccgcgtcag ggaactcgcc ggacacaacg ccaacaacct cgacttccgc aagggtgacc 300
 154 tccgcgacaa gcaagcggtt gnccaaatct ttcctctca aaagggttag gntgtcatcc 360
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 W--> 156 ctcatcgacataaccacct gcagggnata gnggca 456
 158 <210> SEQ ID NO: 4
 159 <211> LENGTH: 99
 160 <212> TYPE: PRT
 161 <213> ORGANISM: Oryza sativa
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 165 <222> LOCATION: (69)
 166 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 168 <220> FEATURE:
 169 <221> NAME/KEY: UNSURE
 170 <222> LOCATION: (79)
 171 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 173 <220> FEATURE:
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 175 <222> LOCATION: (92)
 176 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 178 <220> FEATURE:
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 180 <222> LOCATION: (97)
 181 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
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 184 Arg Thr Ile Leu Val Thr Gly Ala Gly Tyr Ile Gly Ser His Thr

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185	1	5	10	15
187	Val Leu Gln Leu Leu Gln Leu Gly Phe Arg Val Val Val Leu Asp Asn			
188	20	25	30	
190	Leu Asp Asn Ala Ser Glu Leu Ala Ile Leu Arg Val Arg Glu Leu Ala			
191	35	40	45	
193	Gly His Asn Ala Asn Asn Leu Asp Phe Arg Lys Gly Asp Leu Arg Asp			
194	50	55	60	
W--> 196	Lys Gln Ala Leu Xaa Gln Ile Phe Ser Ser Gln Lys Val Glu Xaa Val			
197	65	70	75	80
W--> 199	Ile Gln Phe Ala Gly Leu Lys Thr Val Gly Glu Xaa Val Lys Asn Pro			
200	85	90	95	
W--> 202	Xaa Phe Tyr			
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206	<211> LENGTH: 479			
207	<212> TYPE: DNA			
208	<213> ORGANISM: Glycine max			
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211	<221> NAME/KEY: unsure			
212	<222> LOCATION: (17)			
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215	<220> FEATURE:			
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Input Set : A:\BB1321-1 US PCT SEQ LIST.txt
 Output Set: N:\CRF3\06122002\I913064A.raw

251 <221> NAME/KEY: unsure
 252 <222> LOCATION: (99)
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 266 <221> NAME/KEY: unsure
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 271 <221> NAME/KEY: unsure
 272 <222> LOCATION: (369)
 273 <223> OTHER INFORMATION: n = A, C, G, OR T
 275 <220> FEATURE:
 276 <221> NAME/KEY: unsure
 277 <222> LOCATION: (390)
 278 <223> OTHER INFORMATION: n = A, C, G, OR T
 280 <220> FEATURE:
 281 <221> NAME/KEY: unsure
 282 <222> LOCATION: (446)
 283 <223> OTHER INFORMATION: n = A, C, G, OR T
 285 <400> SEQUENCE: 5
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 288 gtttcaataa tcgacaattt cgataactcc gtcatggaaag caatggaccg cgtccgccaa 180
 W--> 289 gtgggtggnc ctctgtttc tcaaaaaccc caattcaccc aaggngatct ccggaaatagg 240
 290 gatgacttgg agaaacttcc ctccaaaaca acatttgatg ccgtgatcca ctttgctggc 300
 W--> 291 ttgaaaagcg gttgctgaaa gcgttgcgaa accccgtcgc tattttgatt ttaatttgg 360
 W--> 292 tgggaccanc aacctctacg agtttatgn aaagtataat tgcaaaaaga tgggtttctc 420
 W--> 293 atcatctgca accgtttatg ggcaanctga aaaaataccg tgtgaggagg attcaagtt 479
 295 <210> SEQ ID NO: 6
 296 <211> LENGTH: 148
 297 <212> TYPE: PRT
 298 <213> ORGANISM: Glycine max
 300 <220> FEATURE:
 301 <221> NAME/KEY: UNSURE
 302 <222> LOCATION: (3)
 303 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 305 <220> FEATURE:
 306 <221> NAME/KEY: UNSURE
 307 <222> LOCATION: (7)
 308 <223> OTHER INFORMATION: Xaa = ANY AMINO ACID
 310 <220> FEATURE: